

IN THE CLAIMS

1. (currently amended) An electroluminescence device comprising:
an anode,
a cathode, and
an organic light emitting layer located between the anode and the cathode,
wherein the anode includes a metal belonging to the group V or the group VI of the periodic table at least at a portion of the anode that is in contact with the organic light emitting layer,
wherein the metal includes at least one of niobium, tantalum, chromium, and molybdenum, and
wherein the anode has a reflectance of 40% or higher.
2. (canceled).
3. (original) An electroluminescence device as claimed in claim 1, wherein the work function of the metal is 4.8 eV or lower.
4. (canceled).
5. (original) An electroluminescence device as claimed in claim 1, wherein emission light from the organic light emitting layer is emitted mainly from the side of the cathode.
6. (original) An electroluminescence device as claimed in claim 1, wherein the anode comprises an alloy.
7. (original) An electroluminescence device as claimed in claim 1, wherein the organic light emitting layer has a hole transporting layer for transporting holes injected from the anode.
8. (original) An electroluminescence device as claimed in claim 1, wherein the cathode comprises a layer consisting of a metal and a transparent material.
9. (original) An electroluminescence device as claimed in claim 1, wherein the cathode comprises MgAg.

10. (currently amended) An electroluminescence device comprising:
a substrate,
an anode formed on the substrate,
an organic light emitting layer formed on the anode, and
a cathode formed on the organic light emitting layer,
wherein the anode contains a metal belonging to the group V or group VI of the periodic table at least at a portion of the anode that is in contact with the organic light emission layer,
wherein the metal includes at least one of niobium, tantalum, chromium, and molybdenum, and
wherein the anode has a reflectance of 40% or higher.
11. (canceled).
12. (original) An electroluminescence device as claimed in claim 10, wherein the metal has a work function of 4.8 eV or lower.
13. (canceled).
14. (original) An electroluminescence device as claimed in claim 10, wherein emission light from the organic light emitting layer is mainly emitted from the side of the cathode.
15. (original) An electroluminescence device as claimed in claim 10, wherein the anode comprises an alloy.
16. (original) An electroluminescence device as claimed in claim 10, wherein the organic light emitting layer has a hole transporting layer for transporting holes injected from the anode.
17. (original) An electroluminescence device as claimed in claim 10, wherein the cathode comprises a layer composed of a metal and a transparent material.

18. (original) An electroluminescence device as claimed in claim 10, wherein the cathode comprises MgAg.

19. (currently amended) An electroluminescence device comprising:
scanning lines for selecting pixels,
data lines provided with luminance information for driving pixels,
a first transistor connected at a control terminal of the first transistor with the scanning lines,
a second transistor connected at a control terminal of the second transistor with the first transistor, and
a light emitting device connected with the second transistor,
wherein the light emitting device at least has an organic light emitting layer, a first electrode providing holes to the organic light emitting layer and a second electrode providing electrons to the organic light emitting layer,
wherein the first electrode contains a metal belonging to the group V or group VI of the periodical table to at least at a portion of the first electrode that is in contact with the organic light emitting layer,
wherein the metal includes at least one of niobium, tantalum, chromium, and molybdenum, and
wherein the anode has a reflectance of 40% or higher.

20. (previously presented) An electroluminescence device as claimed in claim 19, wherein the first transistor and the second transistor are field effect transistors and a capacitance is connected with the control terminal of the second transistor.

21. (original) An electroluminescence device as claimed in claim 19, wherein the scanning lines and the data lines cross substantially vertical to each other.

22. (canceled).

23. (original) An electroluminescence device as claimed in claim 19, wherein the metal has a work function of 4.8 eV or lower.

24. (canceled).

25. (original) An electroluminescence device as claimed in claim 19, wherein light emission from the organic light emitting layer is emitted from the side of the second electrode mainly.

26. (original) An electroluminescence device as claimed in claim 19, wherein the first electrode comprises an alloy.

27. (original) An electroluminescence device as claimed in claim 19, wherein the organic light emitting layer has a hole transporting layer for transporting holes injected from the first electrode.

28. (original) An electroluminescence device as claimed in claim 19, wherein the second electrode is constituted with a layer comprising a metal and a transparent material.

29. (original) An electroluminescence device as claimed in claim 19, wherein the second electrode comprises MgAg.

30. (currently amended) An active matrix type electroluminescence device comprising:
scanning lines for selecting pixels,
data lines provided with luminance information for driving the pixels,
a first transistor connected at a control terminal of the first transistor with the scanning lines,
a second transistor connected at a control terminal of the second transistor with the first transistor, and
a light emitting device connected with the second transistor,
wherein the light emitting device at least has an organic light emitting layer, a first electrode providing holes to the organic light emitting layer and a second electrode providing electrons to the organic light emitting layer,
wherein the first electrode contains a metal belonging to the group V or group VI of the periodic table at least at a portion of the first electrode that is in contact with the organic light emitting layer,

wherein the metal includes at least one of niobium, tantalum, chromium, and molybdenum, and

wherein the anode has a reflectance of 40% or higher.

31. (previously presented) An active matrix type electroluminescence device as claimed in claim 30, wherein the first transistor and the second transistor are field effect transistors and a capacitance is connected with the control terminal of the second transistor.

32. (original) An active matrix type electroluminescence device as claimed in claim 30, wherein the scanning lines and the data lines cross substantially vertically to each other.

33. (canceled).

34. (original) An active matrix type electroluminescence device as claimed in claim 30, wherein the metal has a work function of 4.8 eV or lower.

35. (canceled).

36. (previously presented) An active matrix type electroluminescence device as claimed in claim 30, wherein light emission from the organic light emitting layer is emitted mainly from the side of the second electrode.

37. (original) An active matrix type electroluminescence device as claimed in claim 30, wherein the first electrode comprises an alloy.

38. (original) An active matrix type electroluminescence device as claimed in claim 30, wherein the organic light emitting layer has a hole transporting layer for transporting holes injected from the first electrode.

39. (original) An active matrix type electroluminescence device as claimed in claim 30, wherein the second electrode is constituted with a layer comprising a metal and a transparent material.

40. (original) An active matrix type electroluminescence device as claimed in claim 30, wherein the second electrode comprises MgAg.

41. (currently amended) A display device comprising:
scanning lines for selecting pixels, and
data lines disposed substantially vertically relative to the scanning lines and provided with luminance information for driving the pixels in which

the pixel at least comprises an organic electroluminescence device having an anode containing a metal belonging to the group V or group VI of the periodic table at least at a portion of the anode that is in contact with an organic light emitting layer, and a cathode disposed at a position opposing to the anode, a first active element controlled by the scanning lines and having a function of receiving luminance information provided from the data lines and a second active element having a function of controlling the current supplied to the organic electroluminescence device in accordance with the received luminance information,

the luminance information is taken into the pixels by applying electric signals in accordance with the luminance information to the data lines in a state where the data lines are selected, the luminance information taken in the pixel is maintained to the pixel even after the scanning line becomes no more selected, and the organic electroluminescence device maintains light emission at a luminance according to the luminance information,

wherein the metal includes at least one of niobium, tantalum, chromium, and molybdenum, and

wherein the anode has a reflectance of 40% or higher.

42. (previously presented) A display device as claimed in claim 41, wherein the first active element and the second active element are field effect transistors and a capacitance is connected with a control terminal of the second active element.

43. (canceled).

44. (original) A display device as claimed in claim 41, wherein the metal has a work function of 4.8 eV or lower.

45. (canceled).

46. (original) A display device as claimed in claim 41, wherein light emission from the organic light emitting layer is emitted mainly from the side of the cathode.

47. (original) A display device as claimed in claim 41, wherein the anode comprises an alloy.

48. (previously presented) A display device as claimed in claim 41, wherein the organic light emitting layer has a hole transporting layer for transporting holes injected from the anode.

49. (previously presented) A display device as claimed in claim 41, wherein the cathode is constituted with a layer comprising a metal and a transparent material.

50. (previously presented) A display device as claimed in claim 41, wherein the cathode comprises MgAg.

51. (withdrawn) A method of manufacturing an electroluminescence device comprising the following steps:

a step of forming a first electrode having a metal belonging to the group V or the group VI of the periodical table on a substrate:

a step of forming an organic light emitting layer so as to be in contact with the metal and

a step of forming a second electrode on the organic light emitting layer.

52. (withdrawn) A manufacturing method as claimed in claim 51, wherein the first electrode is in a tapered type.

53. (withdrawn) A manufacturing method as claimed in claim 51, wherein the metal is chromium, molybdenum, tungsten, tantalum or niobium.

54. (withdrawn) A manufacturing method as claimed in claim 51, wherein the metal has a work function of 4.8 eV or lower.

55. (withdrawn) A manufacturing method as claimed in claim 51, wherein the first electrode has a reflectance of 40% or higher.

56. (withdrawn) A manufacturing method as claimed in claim 51, wherein first electrode has a higher reflectance than the second electrode.

57. (withdrawn) A manufacturing method as claimed in claim 51, wherein the first electrode comprises an alloy.

58. (withdrawn) A manufacturing method as claimed in claim 51,, wherein the organic light remitting layer has a hole transporting layer for transporting holes injected from the first electrode.

59. (withdrawn) A manufacturing method as claimed in claim 51, wherein the second electrode is constituted with a layer comprising a metal and a transparent material.

60. (withdrawn) A method of manufacturing an electroluminescence device comprising the following steps:

- a step of forming a first electrode having a metal belonging to the group V or group VI of the periodical table on a substrate,
- a step of fabricating a first electrode,
- a step of forming an insulative film on the first electrode,
- a step of forming an opening in the insulative film and exposing the metal,
- a step of forming an organic light emitting layer so as to be in contact with the metal through the opening and
- a step of forming a second electrode on the organic light emitting layer.

61. (withdrawn) A manufacturing method as claimed in claim 60, wherein the first electrode is in a tapered type.

62. (withdrawn) A manufacturing method as claimed in claim 60, wherein the metal is chromium, molybdenum, tungsten, tantalum or niobium.

63. (withdrawn) A manufacturing method as claimed in claim 60, wherein the a metal has work function of 4.8 eV or lower.

64. (withdrawn) A manufacturing method as claimed in claim 60, wherein the first electrode has a reflectance of 40% or higher.

65. (withdrawn) A manufacturing method as claimed in claim 60, wherein the first electrode has a higher reflectance than the second electrode.

66. (withdrawn) A manufacturing method as claimed in claim 60, wherein the first electrode comprises an alloy.

67. (withdrawn) A manufacturing method as claimed in claim 60,, wherein the organic light remitting layer has a hole transporting layer for transporting holes injected from the first electrode.

68. (withdrawn) A manufacturing method as claimed in claim 60, wherein the second electrode is constituted with a layer comprising a metal and a transparent material.

69. (withdrawn) A method of manufacturing an electroluminescence device comprising the following steps:

- a step of forming a gate electrode on a substrate,
- a step of forming a gate insulative film on the gate electrode,
- a step of forming a semiconductor layer on the gate insulative film,
- a step of forming an insulative film on the semiconductor layer,
- a step of forming a first electrode having a metal belonging to the group V or group VI of the periodical table on the insulative film,
- a step of forming an organic light emitting layer so as to be in contact with the metal and
- a step of forming a second electrode on the organic light emitting layer.

70. (withdrawn) A manufacturing method as claimed in claim 69, wherein the first electrode is in a tapered type.

71. (withdrawn) A manufacturing method as claimed in claim 69, wherein the metal is chromium, molybdenum, tungsten, tantalum or niobium.

72. (withdrawn) A manufacturing method as claimed in claim 69, wherein the metal has a work function of 4.8 eV or lower.

73. (withdrawn) A manufacturing method as claimed in claim 69, wherein the first electrode has a reflectance of 40% or higher.

74. (withdrawn) A manufacturing method as claimed in claim 69, wherein the first electrode has a higher reflectance than the second electrode.

75. (withdrawn) A manufacturing method as claimed in claim 69, wherein the first electrode comprises an alloy.

76. (withdrawn) A manufacturing method as claimed in claim 69,, wherein the organic light emitting layer has a hole transporting layer for transporting holes injected from the first electrode.

77. (withdrawn) A manufacturing method as claimed in claim 69, wherein the second electrode is constituted with a layer comprising a metal and a transparent material.

78. (withdrawn) A manufacturing method as claimed in claim 69, wherein the substrate comprises glass and the gate insulative film has a thickness less than that of the insulative film described above.